Notice of Allowability - The MAILING DATE of this communication appears on the cover sheet with the correspondence address- All drains being allowable. PROSECUTION ON THE MERTE IS (OR REMAINS) CLOSED in this application. If not included brewith (or previously mailed), a hotice of Allowance (PTOL-89) or other appropriate communication with be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon patition by the gapticant. See 37 CFR 1.31 and MEEP 1300. 1. All his communication is responsive to @2020008 2. The allowad claim(s) leviare 1.3.4.6-9.17-13 and 44-78 3. The drawings tiled on 20 October 2003 are accepted by the Examiner. 4. Acknowledgment is made of a claim for foreign priority under 36 U.S.C. § 119(a)-(d) or (f). a) All b) Some c) None of the: 1. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in Application No. 4. Applicant has TRIECE MONTHS FROM THE "MAILING DATE" of this communication to file a repty complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is defouent. Information changes required by the Notice of Drailepresson's Patent Drawing Review (PTO-948) attached 10. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) miduling changes required by the Notice of Drailepresson's Patent Drawing Review (PTO-948) attached 11. Paper No Avial Date — 12. DEPOSIT OF analor INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's Amendment/Comment of Note of Paper No Avial Date — 13. Paper No Avial Date —		Application No.	Applicant(s)	
## Hussein Akhavannik ## 1921 ## The MAILING DATE of this communication appears on the cover sheet with the correspondence address- ## All claims being altowable, PROSECUTION ON THE MERTS IS (OR REMAINS) CLOSED in this application, if not included herevirit to previously mailed), a Notice of Nationaco (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue of the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. 1. ☑ The allowed claim(s) is rise 1,3,4,6,9,11-13 and 44-78. 3. ☑ The drawings filled on 20 October 2003 are accepted by the Examiner. 4. ☑ Acknowledgment is made of a claim for toreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☑ All b) ☐ Some* (c) ☐ None of the. 1. ☑ Certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application No	Notice of Allewshills.	09/441,294	HIGGINBOTTOM ET AL.	
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Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material 5. Notice of Informal Patent Application (PTO-152) 6. Interview Summary (PTO-413), Paper No./Mail Date 7. Examiner's Amendment/Comment 8. Examiner's Statement of Reasons for Allowance 9. Other SUPERVISORY PATENT EXAMINER	a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give comply including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the construction.	e been received. been received in Application No cuments have been received in this of this communication to file a reply ENT of this application. itted. Note the attached EXAMINER es reason(s) why the oath or declarate t be submitted. on's Patent Drawing Review (PTO- Amendment / Comment or in the Comment of the drawing he header according to 37 CFR 1.121(constitution).	national stage applicational stage application of the front (not the d).	quirements OTICE OF
SUPERVISORY PATENT EXAMINER	Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/08) Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit	5. Notice of Informal P 6. Interview Summary Paper No./Mail Dat 8), 7. Examiner's Amendo	atent Application (PTC (PTO-413), te nent/Comment	,
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Application/Control Number: 09/441,294

Art Unit: 2621

DETAILED ACTION

Response to Arguments

1. Applicant's arguments, see page 23, lines 5-12 of the remarks, filed June 29, 2004, with respect to claims 1, 4, and 9 have been fully considered and are persuasive. The 35 U.S.C. §103(a) rejection of these claims has been withdrawn.

Allowable Subject Matter

- 2. Claims 1, 3, 4, 6-9, 11-13, and 44-78 are allowed.
- 3. The following is an examiner's statement of reasons for allowance:

The closest cited prior art (U.S. Patent No. 6,002,800) fails to teach or suggest the feature of applying a mask having a predefined annular region to an embedded mark to convert detected element locations that fall within an annular region to a set of spatial features representing an angular distribution of the detected elements in view of the additional limitations recited in independent claims 1, 4, and 9.

Claims 3, 6-8, 11-13, and 44-78 are allowed for the same reasons as stated above.

The closest cited prior art (U.S. Patent No. 6,002,800) fails to teach or suggest the feature of a signature comprising a plurality of radial signatures wherein each of the radial signatures indicates a discrete angular distribution of a plurality of elements about a predetermined origin in view of the additional limitations recited in independent claims 44 and 45.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Art Unit: 2621

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hussein Akhavannik whose telephone number is (703)306-4049. The examiner can normally be reached on M-F 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Leo H. Boudreau can be reached on (703)305-4706. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Hussein Akhavannik A. November 19, 2004

LEO BOUDHEAU SUPERVISORY PATENT EXAMINATION TECHNOLOGY CENTER MOULD